

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/523,312
Source: PCT
Date Processed by STIC: 7/5/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebs/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,312

DATE: 07/05/2006

TIME: 14:02:39

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

3 <110> APPLICANT: Berezenko, Stephen
 4 Sadler, Peter J.
 5 Stewart, Alan J.
 6 Blindauer, Claudia
 7 Bunyan, Kerry Emma
 9 <120> TITLE OF INVENTION: NOVEL ALBUMINS
 11 <130> FILE REFERENCE: 63572-5001-US
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/523,312
 C--> 14 <141> CURRENT FILING DATE: 2005-01-26
 16 <150> PRIOR APPLICATION NUMBER: GB0217347.4
 17 <151> PRIOR FILING DATE: 2002-07-26
 19 <160> NUMBER OF SEQ ID NOS: 12
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 585
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial
 28 <220> FEATURE:
 29 <221> NAME/KEY: MISC_FEATURE
 30 <222> LOCATION: (30)..(30)
 31 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN Y
 34 <220> FEATURE:
 35 <221> NAME/KEY: MISC_FEATURE
 36 <222> LOCATION: (67)..(67)
 37 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
 40 <220> FEATURE:
 41 <221> NAME/KEY: MISC_FEATURE
 42 <222> LOCATION: (99)..(99)
 43 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN N
 46 <220> FEATURE:
 47 <221> NAME/KEY: MISC_FEATURE
 48 <222> LOCATION: (100)..(100)
 49 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN E
 52 <220> FEATURE:
 53 <221> NAME/KEY: MISC_FEATURE
 54 <222> LOCATION: (103)..(103)
 55 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN L
 58 <220> FEATURE:
 59 <221> NAME/KEY: MISC_FEATURE
 60 <222> LOCATION: (146)..(146)
 61 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
 64 <220> FEATURE:
 65 <221> NAME/KEY: MISC_FEATURE

Needs explanation in <220>-<223> section. see p. 6
Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,312

DATE: 07/05/2006

TIME: 14:02:39

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

```

66 <222> LOCATION: (242)..(242)
67 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
70 <220> FEATURE:
71 <221> NAME/KEY: MISC_FEATURE
72 <222> LOCATION: (247)..(247)
73 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
76 <220> FEATURE:
77 <221> NAME/KEY: MISC_FEATURE
78 <222> LOCATION: (248)..(248)
79 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN G
82 <220> FEATURE:
83 <221> NAME/KEY: MISC_FEATURE
84 <222> LOCATION: (249)..(249)
85 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN D
88 <220> FEATURE:
89 <221> NAME/KEY: MISC_FEATURE
90 <222> LOCATION: (288)..(288)
91 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
94 <400> SEQUENCE: 1
96 Asp Ala His Lys Ser Glu Val Ala His Arg Phe Lys Asp Leu Gly Glu
97 1 5 10 15
W--> 100 Glu Asn Phe Lys Ala Leu Val Leu Ile Ala Phe Ala Gln Xaa Leu Gln
101 20 25 30
104 Gln Cys Pro Phe Glu Asp His Val Lys Leu Val Asn Glu Val Thr Glu
105 35 40 45
108 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
109 50 55 60
112 Ser Leu Xaa Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
113 65 70 75 80
116 Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
117 85 90 95
120 Glu Arg Xaa Xaa Cys Phe Xaa Gln His Lys Asp Asp Asn Pro Asn Leu
121 100 105 110
124 Pro Arg Leu Val Arg Pro Glu Val Asp Val Met Cys Thr Ala Phe His
125 115 120 125
128 Asp Asn Glu Glu Thr Phe Leu Lys Lys Tyr Leu Tyr Glu Ile Ala Arg
129 130 135 140
132 Arg Xaa Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe Ala Lys Arg
133 145 150 155 160
136 Tyr Lys Ala Ala Phe Thr Glu Cys Cys Gln Ala Ala Asp Lys Ala Ala
137 165 170 175
140 Cys Leu Leu Pro Lys Leu Asp Glu Leu Arg Asp Glu Gly Lys Ala Ser
141 180 185 190
144 Ser Ala Lys Gln Arg Leu Lys Cys Ala Ser Leu Gln Lys Phe Gly Glu
145 195 200 205
148 Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro
149 210 215 220
152 Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys
153 225 230 235 240

```

RAW SEQUENCE LISTING

DATE: 07/05/2006

PATENT APPLICATION: US/10/523,312

TIME: 14:02:39

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

```

156 Val Xaa Thr Glu Cys Cys Xaa Xaa Xaa Leu Leu Glu Cys Ala Asp Asp
157          245          250          255
160 Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser
161          260          265          270
164 Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser Xaa
165          275          280          285
168 Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser
169          290          295          300
172 Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val Cys Lys Asn Tyr Ala
173 305          310          315          320
176 Glu Ala Lys Asp Val Phe Leu Gly Met Phe Leu Tyr Glu Tyr Ala Arg
177          325          330          335
180 Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg Leu Ala Lys Thr
181          340          345          350
184 Tyr Glu Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala Asp Pro His Glu
185          355          360          365
188 Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro
189          370          375          380
192 Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu Gln Leu Gly Glu
193 385          390          395          400
196 Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr Lys Lys Val Pro
197          405          410          415
200 Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg Asn Leu Gly Lys
201          420          425          430
204 Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys Arg Met Pro Cys
205          435          440          445
208 Ala Glu Asp Tyr Leu Ser Val Val Leu Asn Gln Leu Cys Val Leu His
209          450          455          460
212 Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys Cys Thr Glu Ser
213 465          470          475          480
216 Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu Val Asp Glu Thr
217          485          490          495
220 Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr Phe His Ala Asp
221          500          505          510
224 Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys Lys Gln Thr Ala
225          515          520          525
228 Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr Lys Glu Gln Leu
229          530          535          540
232 Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu Lys Cys Cys Lys
233 545          550          555          560
236 Ala Asp Asp Lys Glu Thr Cys Phe Ala Glu Glu Gly Lys Lys Leu Val
237          565          570          575
240 Ala Ala Ser Gln Ala Ala Leu Gly Leu
241          580          585
244 <210> SEQ ID NO: 2
245 <211> LENGTH: 609
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 2

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,312

DATE: 07/05/2006

TIME: 14:02:39

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

251	Met	Lys	Trp	Val	Thr	Phe	Ile	Ser	Leu	Leu	Phe	Leu	Phe	Ser	Ser	Ala
252	1				5					10					15	
255	Tyr	Ser	Arg	Gly	Val	Phe	Arg	Arg	Asp	Ala	His	Lys	Ser	Glu	Val	Ala
256				20					25					30		
259	His	Arg	Phe	Lys	Asp	Leu	Gly	Glu	Glu	Asn	Phe	Lys	Ala	Leu	Val	Leu
260				35				40					45			
263	Ile	Ala	Phe	Ala	Gln	Tyr	Leu	Gln	Gln	Cys	Pro	Phe	Glu	Asp	His	Val
264		50					55					60				
267	Lys	Leu	Val	Asn	Glu	Val	Thr	Glu	Phe	Ala	Lys	Thr	Cys	Val	Ala	Asp
268	65					70				75						80
271	Glu	Ser	Ala	Glu	Asn	Cys	Asp	Lys	Ser	Leu	His	Thr	Leu	Phe	Gly	Asp
272					85					90					95	
275	Lys	Leu	Cys	Thr	Val	Ala	Thr	Leu	Arg	Glu	Thr	Tyr	Gly	Glu	Met	Ala
276					100				105					110		
279	Asp	Cys	Cys	Ala	Lys	Gln	Glu	Pro	Glu	Arg	Asn	Glu	Cys	Phe	Leu	Gln
280				115				120					125			
283	His	Lys	Asp	Asp	Asn	Pro	Asn	Leu	Pro	Arg	Leu	Val	Arg	Pro	Glu	Val
284		130					135					140				
287	Asp	Val	Met	Cys	Thr	Ala	Phe	His	Asp	Asn	Glu	Glu	Thr	Phe	Leu	Lys
288	145					150				155						160
291	Lys	Tyr	Leu	Tyr	Glu	Ile	Ala	Arg	Arg	His	Pro	Tyr	Phe	Tyr	Ala	Pro
292					165					170					175	
295	Glu	Leu	Leu	Phe	Phe	Ala	Lys	Arg	Tyr	Lys	Ala	Ala	Phe	Thr	Glu	Cys
296				180				185					190			
299	Cys	Gln	Ala	Ala	Asp	Lys	Ala	Ala	Cys	Leu	Leu	Pro	Lys	Leu	Asp	Glu
300			195					200					205			
303	Leu	Arg	Asp	Glu	Gly	Lys	Ala	Ser	Ser	Ala	Lys	Gln	Arg	Leu	Lys	Cys
304		210					215					220				
307	Ala	Ser	Leu	Gln	Lys	Phe	Gly	Glu	Arg	Ala	Phe	Lys	Ala	Trp	Ala	Val
308	225					230				235						240
311	Ala	Arg	Leu	Ser	Gln	Arg	Phe	Pro	Lys	Ala	Glu	Phe	Ala	Glu	Val	Ser
312					245					250					255	
315	Lys	Leu	Val	Thr	Asp	Leu	Thr	Lys	Val	His	Thr	Glu	Cys	Cys	His	Gly
316				260					265					270		
319	Asp	Leu	Leu	Glu	Cys	Ala	Asp	Asp	Arg	Ala	Asp	Leu	Ala	Lys	Tyr	Ile
320			275					280					285			
323	Cys	Glu	Asn	Gln	Asp	Ser	Ile	Ser	Ser	Lys	Leu	Lys	Glu	Cys	Cys	Glu
324		290					295					300				
327	Lys	Pro	Leu	Leu	Glu	Lys	Ser	His	Cys	Ile	Ala	Glu	Val	Glu	Asn	Asp
328	305					310					315					320
331	Glu	Met	Pro	Ala	Asp	Leu	Pro	Ser	Leu	Ala	Ala	Asp	Phe	Val	Glu	Ser
332					325					330					335	
335	Lys	Asp	Val	Cys	Lys	Asn	Tyr	Ala	Glu	Ala	Lys	Asp	Val	Phe	Leu	Gly
336				340					345					350		
339	Met	Phe	Leu	Tyr	Glu	Tyr	Ala	Arg	Arg	His	Pro	Asp	Tyr	Ser	Val	Val
340			355					360					365			
343	Leu	Leu	Leu	Arg	Leu	Ala	Lys	Thr	Tyr	Glu	Thr	Thr	Leu	Glu	Lys	Cys
344		370					375					380				
347	Cys	Ala	Ala	Ala	Asp	Pro	His	Glu	Cys	Tyr	Ala	Lys	Val	Phe	Asp	Glu

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,312

DATE: 07/05/2006

TIME: 14:02:39

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

```

348 385          390          395          400
351 Phe Lys Pro Leu Val Glu Glu Pro Gln Asn Leu Ile Lys Gln Asn Cys
352          405          410          415
355 Glu Leu Phe Glu Gln Leu Gly Glu Tyr Lys Phe Gln Asn Ala Leu Leu
356          420          425          430
359 Val Arg Tyr Thr Lys Lys Val Pro Gln Val Ser Thr Pro Thr Leu Val
360          435          440          445
363 Glu Val Ser Arg Asn Leu Gly Lys Val Gly Ser Lys Cys Cys Lys His
364          450          455          460
367 Pro Glu Ala Lys Arg Met Pro Cys Ala Glu Asp Tyr Leu Ser Val Val
368 465          470          475          480
371 Leu Asn Gln Leu Cys Val Leu His Glu Lys Thr Pro Val Ser Asp Arg
372          485          490          495
375 Val Thr Lys Cys Cys Thr Glu Ser Leu Val Asn Arg Arg Pro Cys Phe
376          500          505          510
379 Ser Ala Leu Glu Val Asp Glu Thr Tyr Val Pro Lys Glu Phe Asn Ala
380          515          520          525
383 Glu Thr Phe Thr Phe His Ala Asp Ile Cys Thr Leu Ser Glu Lys Glu
384          530          535          540
387 Arg Gln Ile Lys Lys Gln Thr Ala Leu Val Glu Leu Val Lys His Lys
388 545          550          555          560
391 Pro Lys Ala Thr Lys Glu Gln Leu Lys Ala Val Met Asp Asp Phe Ala
392          565          570          575
395 Ala Phe Val Glu Lys Cys Cys Lys Ala Asp Asp Lys Glu Thr Cys Phe
396          580          585          590
399 Ala Glu Glu Gly Lys Lys Leu Val Ala Ala Ser Gln Ala Ala Leu Gly
400          595          600          605
403 Leu
407 <210> SEQ ID NO: 3
408 <211> LENGTH: 600
409 <212> TYPE: PRT
410 <213> ORGANISM: Rhesus macaque
412 <400> SEQUENCE: 3
414 Leu Leu Phe Leu Phe Ser Ser Ala Tyr Ser Arg Gly Val Phe Arg Arg
415 1          5          10          15
418 Asp Thr His Lys Ser Glu Val Ala His Arg Phe Lys Asp Leu Gly Glu
419          20          25          30
422 Glu His Phe Lys Gly Leu Val Leu Val Ala Phe Ser Gln Tyr Leu Gln
423          35          40          45
426 Gln Cys Pro Phe Glu Glu His Val Lys Leu Val Asn Glu Val Thr Glu
427          50          55          60
430 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
431 65          70          75          80
434 Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
435          85          90          95
438 Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
439          100          105          110
442 Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Asn Leu
443          115          120          125

```


RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/523,312

DATE: 07/05/2006
 TIME: 14:02:40

FYT

Input Set : A:\635725001.ST25.txt
 Output Set: N:\CRF4\07052006\J523312.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 30,67,99,100,103,146,242,247,248,249,288

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,11,12

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:11,12,1

VERIFICATION SUMMARY

DATE: 07/05/2006

PATENT APPLICATION: US/10/523,312

TIME: 14:02:40

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
M:341 Repeated in SeqNo=1
L:1684 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:1684 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:1684 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:1684
L:1693 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:1693 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:1693 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:1693

10/523,312 8

<210> 11

<211> 50

<212> DNA

<213> Artificial

see p. 6 for eun exploration

<400> 11

gctgaaattg tgacaaatca cttgctaccc tttttggaga caaattatgc

50

<210> 12

<211> 51

<212> DNA

<213> Artificial

same eun

<400> 12

gcataatttg tctccaaaaa gggtagcaag tgatttgtca caattttcag c

51